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47. (Amended) A corrosion-resistant chemically continuous composite conduit having an inside and an outside, said conduit comprising from the outside to the inside:

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- a) a first layer comprising a porous, mineral-containing substrate;
- b) a second layer comprising a thermosetting material, said thermosetting material containing a silane and a curing agent comprising isocyanate groups;
- c) a third layer comprising a thermoplastic material, said thermoplastic material impregnated with a reactive resin;

wherein an interface between said first and second layers comprises covalent bonds between said silane in said second layer and minerals in said first layer;

wherein an interface between said second and third layers comprises covalent bonds between said isocyanate groups of said second layer and said reactive resin of said third layer; and

wherein said first second and third layers are bonded together with sufficient shear strength to transmit and distribute loads between said layers.

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51. (Amended) The conduit of claim 47, wherein said reactive resin is 2-propenoic acid, 2-hydroxypropyl ester, polymer with chloroethene and ethenyl acetate.

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55. (Amended) The method of claim 54, wherein said conduit comprises a cementitious, ceramic, clay, brick, or metallic substrate.